

ABSTRACT

Techniques for modifying an image may be applied to heal texture areas within the image. A region to be healed in an original image may be identified, and a differential representation may be calculated for at least a portion of a texture source image that provides sample texture. Samples of the texture source image differential representation may be copied to a location corresponding to the identified modification region to generate a new differential representation for the modification region. The new differential representation for the modification region may be integrated to produce a modified image. In some implementations, a differential representation may be calculated of boundary pixels that are outside of and adjacent to the region to be healed in the original image. Copying samples of the texture source image differential representation may be performed so as to obtain substantial smoothness between the copied samples and the differential boundary pixel values.

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